

**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

SN/T 3056.11-2011

**Determination of essential parameters of chemical raw
materials for use in fireworks and firecrackers. Part 11: Ferrum
powder**

(English Translation)

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3.1 Determination of hydrochloric acid insoluble content

Foreword

"Determination of fireworks with chemical raw materials key indicators" SN/T 3056 series of standards is divided into 15 parts.

--- Part 1. potassium hydrogen phthalate;

--- Part 2. sodium fluoride;

--- Part 3. Red Lead;

--- Part 4. basic copper carbonate;

--- Part 5. sulfur;

--- Part 6. strontium sulfate;

--- Part 7. copper sulfate;

--- Part 8. potassium chlorate;

--- Part 9. sodium bicarbonate;

--- Part 10. strontium carbonate;

--- Part 11. iron;

--- Part 12. barium nitrate;

--- Part 13. Silver nitrate;

--- Part 14. bismuth oxide;

--- Part 15. potassium dichromate.

This section SN/T 3056 Part 11.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This section proposed and managed by the National Certification and Accreditation

Administration Committee.

1 Scope

SN/T 3056 provisions of this part of the fireworks with the determination of the activity of the iron content of iron in the method of measuring iron content of hydrochloric acid Determination of insoluble matter content, moisture content determination and the determination of particle size.

This section applies to fireworks Determination of iron in iron content of the activity, determination of iron content, measured hydrochloric acid insoluble content, moisture Determination of content and particle size.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

Preparation of GB/T 601 chemical reagent standard titration solution GB/T 6003.1 woven wire mesh test sieve (GB/T 6003.1-1997, eqvISO 3310-1.1990) GB/T 6003.2 Test sieves of perforated metal plate (GB/T 6003.2-1997, eqvISO 3310-2.1990) GB/T 6003.3 electroformed sheet test sieve (GB/T 6003.3-1999, eqvISO 3310-3.1990) GB/T 6005 Test sieves - Metal wire cloth, perforated plate, electrical sheet - basic mesh size (GB/T 6005-2008, ISO 565:1990, MOD) Laboratory use specifications and test methods GB/T 6682 Analysis GB/T 8170 repair value expressed about the rules and limit values and judgment

3.1.1 Principle

Weigh a certain amount of the sample is dissolved after drying after pretreatment with hydrochloric acid, filtration, drying residues under the conditions of $105\text{ }^{\circ}\text{C} \pm 2\text{ }^{\circ}\text{C}$, saying mass Quality is the amount of test compound hydrochloric acid insolubles.

3.1.2 Reagents

Unless otherwise indicated in the analysis using only confirm at least three water analytical grade reagents and GB/T 6682 stipulated.

Hydrochloric acid (11).

3.1.3 Instruments

3.1.3.1

Drying oven oven. accuracy of ± 2 °C.

3.1.3.2

Analytical balance. accuracy of 0.01mg.

3.1.3.3 4 emery core crucible, 30mL.